

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 10/516,753
Source: Pf
Date Processed by STIC: 1/30/06

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PCT

RAW SEQUENCE LISTING

DATE: 01/30/2006

PATENT APPLICATION: US/10/516,753

TIME: 10:52:40

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01302006\J516753.raw

3 <110> APPLICANT: Hannoufa, Abdelali
 4 Lydiate, Derek J.
 5 Gao, Ming-Jun
 7 <120> TITLE OF INVENTION: REGULATION OF GENE EXPRESSION USING CHROMATIN REMODELLING
 FACTORS
 9 <130> FILE REFERENCE: 270.78USWO
 11 <140> CURRENT APPLICATION NUMBER: US 10/516,753
 12 <141> CURRENT FILING DATE: 2004-12-03
 14 <150> PRIOR APPLICATION NUMBER: PCT/CA2003/000822
 15 <151> PRIOR FILING DATE: 2003-06-03
 17 <150> PRIOR APPLICATION NUMBER: US 60/387,088
 18 <151> PRIOR FILING DATE: 2002-06-06
 20 <160> NUMBER OF SEQ ID NOS: 104
 22 <170> SOFTWARE: PatentIn version 3.0
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 142
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Agrobacterium Tumefaciens
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: WT-ROS
 32 <400> SEQUENCE: 1
 34 Met Thr Glu Thr Ala Tyr Gly Asn Ala Gln Asp Leu Leu Val Glu Leu
 35 1 5 10 15
 37 Thr Ala Asp Ile Val Ala Ala Tyr Val Ser Asn His Val Val Pro Val
 38 20 25 30
 40 Thr Glu Leu Pro Gly Leu Ile Ser Asp Val His Thr Ala Leu Ser Gly
 41 35 40 45
 43 Thr Ser Ala Pro Ala Ser Val Ala Val Asn Val Glu Lys Gln Lys Pro
 44 50 55 60
 46 Ala Val Ser Val Arg Lys Ser Val Gln Asp Asp His Ile Val Cys Leu
 47 65 70 75 80
 49 Glu Cys Gly Gly Ser Phe Lys Ser Leu Lys Arg His Leu Thr Thr His
 50 85 90 95
 52 His Ser Met Thr Pro Glu Glu Tyr Arg Glu Lys Trp Asp Leu Pro Val
 53 100 105 110
 55 Asp Tyr Pro Met Val Ala Pro Ala Tyr Ala Glu Ala Arg Ser Arg Leu
 56 115 120 125
 58 Ala Lys Glu Met Gly Leu Gly Gln Arg Arg Lys Ala Asn Arg
 59 130 135 140
 62 <210> SEQ ID NO: 2
 63 <211> LENGTH: 472
 64 <212> TYPE: DNA
 65 <213> ORGANISM: Artificial Sequence
 67 <220> FEATURE:

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68 <223> OTHER INFORMATION: Synthetic ROS
70 <400> SEQUENCE: 2
71 gcggatcccc gggatatgact gagactgctt acggtaacgc tcaggatctt cttgttgagc      60
73 ttactgctga tategttgct gcttacgttt ctaaccacgt tgttcctggt actgagcttc      120
75 ctggacttat ctctgatggt catactgcac tttctggaac atctgctcct gcttctgttg      180
77 ctgttaacgt tgagaagcag aagcctgctg tttctgttcg taagtctggt caggatgata      240
79 atategtttg tttggagtgt ggtggttctt tcaagtctct caagcgtcac cttactactc      300
81 atcactctat gactccagag gagtatagag agaagtggga tcttcctggt gattacccta      360
83 tggttgctcc tgcttacgct gaggtcgtt ctcgtctcgc taaggagatg ggtctcggtc      420
85 agcgtcgtaa ggctaaccgt ccaaaaaaga agcgttaagg ctgagagctc gc              472
88 <210> SEQ ID NO: 3
89 <211> LENGTH: 447
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Composite ROS Sequence
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98 <222> LOCATION: (6)..(6)
99 <223> OTHER INFORMATION: n is a, c, g, or t
101 <220> FEATURE:
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103 <222> LOCATION: (12)..(12)
104 <223> OTHER INFORMATION: n is a, c, g, or t
106 <220> FEATURE:
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108 <222> LOCATION: (15)..(15)
109 <223> OTHER INFORMATION: n is a, c, g, or t
111 <220> FEATURE:
112 <221> NAME/KEY: misc_feature
113 <222> LOCATION: (21)..(21)
114 <223> OTHER INFORMATION: n is a, c, g, or t
116 <220> FEATURE:
117 <221> NAME/KEY: misc_feature
118 <222> LOCATION: (27)..(27)
119 <223> OTHER INFORMATION: n isa, c, g, or t
121 <220> FEATURE:
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123 <222> LOCATION: (36)..(36)
124 <223> OTHER INFORMATION: n is a, c, g, or t
126 <220> FEATURE:
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129 <223> OTHER INFORMATION: n is a, c, g, or t
131 <220> FEATURE:
132 <221> NAME/KEY: misc_feature
133 <222> LOCATION: (42)..(42)
134 <223> OTHER INFORMATION: n is a, c, g, or t
136 <220> FEATURE:

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137 <221> NAME/KEY: misc_feature
138 <222> LOCATION: (48)..(48)
139 <223> OTHER INFORMATION: n is a, c, g, or t
141 <220> FEATURE:
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143 <222> LOCATION: (51)..(51)
144 <223> OTHER INFORMATION: n is a, c, g, or t
146 <220> FEATURE:
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148 <222> LOCATION: (54)..(54)
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153 <222> LOCATION: (63)..(63)
154 <223> OTHER INFORMATION: n is a, c, g, or t
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158 <222> LOCATION: (66)..(66)
159 <223> OTHER INFORMATION: n is a, c, g, or t
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163 <222> LOCATION: (69)..(69)
164 <223> OTHER INFORMATION: n is a, c, g, or t
166 <220> FEATURE:
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168 <222> LOCATION: (75)..(75)
169 <223> OTHER INFORMATION: n is a, c, g, or t
171 <220> FEATURE:
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173 <222> LOCATION: (78)..(78)
174 <223> OTHER INFORMATION: n is a, c, g, or t
176 <220> FEATURE:
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178 <222> LOCATION: (87)..(87)
179 <223> OTHER INFORMATION: n is a, c, g, or t
181 <220> FEATURE:
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183 <222> LOCATION: (90)..(90)
184 <223> OTHER INFORMATION: n is a, c, g, or t
186 <220> FEATURE:
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188 <222> LOCATION: (93)..(93)
189 <223> OTHER INFORMATION: n is a, c, g, or t
191 <220> FEATURE:
192 <221> NAME/KEY: misc_feature
193 <222> LOCATION: (96)..(96)
194 <223> OTHER INFORMATION: n is a, c, g, or t
196 <220> FEATURE:
197 <221> NAME/KEY: misc_feature

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Input Set : A:\PTO.AMC.txt

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198 <222> LOCATION: (99)..(99) /
199 <223> OTHER INFORMATION: n is a, c, g, or t
201 <220> FEATURE:
202 <221> NAME/KEY: misc_feature
203 <222> LOCATION: (105)..(105) /
204 <223> OTHER INFORMATION: n is a, c, g, or t
206 <220> FEATURE:
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208 <222> LOCATION: (108)..(108) /
209 <223> OTHER INFORMATION: n is a, c, g, or t
211 <220> FEATURE:
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213 <222> LOCATION: (111)..(111) /
214 <223> OTHER INFORMATION: n is a, c, g, or t
216 <220> FEATURE:
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218 <222> LOCATION: (114)..(114) /
219 <223> OTHER INFORMATION: n is a, c, g, or t
221 <220> FEATURE:
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223 <222> LOCATION: (120)..(120) /
224 <223> OTHER INFORMATION: n is a, c, g, or t
226 <220> FEATURE:
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228 <222> LOCATION: (126)..(126) /
229 <223> OTHER INFORMATION: n is a, c, g, or t
231 <220> FEATURE:
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233 <222> LOCATION: (132)..(132) /
234 <223> OTHER INFORMATION: n is a, c, g, or t
236 <220> FEATURE:
237 <221> NAME/KEY: misc_feature
238 <222> LOCATION: (135)..(135) /
239 <223> OTHER INFORMATION: n is a, c, g, or t
241 <220> FEATURE:
242 <221> NAME/KEY: misc_feature
243 <222> LOCATION: (138)..(138) /
244 <223> OTHER INFORMATION: n is a, c, g, or t
246 <220> FEATURE:
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248 <222> LOCATION: (141)..(141) /
249 <223> OTHER INFORMATION: n is a, c, g, or t
251 <220> FEATURE:
252 <221> NAME/KEY: misc_feature
253 <222> LOCATION: (144)..(144) /
254 <223> OTHER INFORMATION: n is a, c, g, or t
256 <220> FEATURE:
257 <221> NAME/KEY: misc_feature
258 <222> LOCATION: (147)..(147) /

RAW SEQUENCE LISTING

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Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01302006\J516753.raw

259 <223> OTHER INFORMATION: n is a, c, g, or t
261 <220> FEATURE:
262 <221> NAME/KEY: misc_feature
263 <222> LOCATION: (150)..(150)
264 <223> OTHER INFORMATION: n is a, c, g, or t
266 <220> FEATURE:
267 <221> NAME/KEY: misc_feature
268 <222> LOCATION: (153)..(153)
269 <223> OTHER INFORMATION: n is a, c, g, or t
271 <220> FEATURE:
272 <221> NAME/KEY: misc_feature
273 <222> LOCATION: (156)..(156)
274 <223> OTHER INFORMATION: n is a, c, g, or t
276 <220> FEATURE:
277 <221> NAME/KEY: misc_feature
278 <222> LOCATION: (159)..(159)
279 <223> OTHER INFORMATION: n is a, c, g, or t
281 <220> FEATURE:
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283 <222> LOCATION: (162)..(162)
284 <223> OTHER INFORMATION: n is a, c, g, or t
286 <220> FEATURE:
287 <221> NAME/KEY: misc_feature
288 <222> LOCATION: (165)..(165)
289 <223> OTHER INFORMATION: n is a, c, g, or t
291 <220> FEATURE:
292 <221> NAME/KEY: misc_feature
293 <222> LOCATION: (168)..(168)
294 <223> OTHER INFORMATION: n is a, c, g, or t
296 <220> FEATURE:
297 <221> NAME/KEY: misc_feature
298 <222> LOCATION: (171)..(171)
299 <223> OTHER INFORMATION: n is a, c, g, or t
301 <220> FEATURE:
302 <221> NAME/KEY: misc_feature
303 <222> LOCATION: (177)..(177)
304 <223> OTHER INFORMATION: n is a, c, g, or t
306 <220> FEATURE:
307 <221> NAME/KEY: misc_feature
308 <222> LOCATION: (192)..(192)
309 <223> OTHER INFORMATION: n is a, c, g, or t
311 <220> FEATURE:
312 <221> NAME/KEY: misc_feature
313 <222> LOCATION: (195)..(195)
314 <223> OTHER INFORMATION: n is a, c, g, or t
316 <220> FEATURE:
317 <221> NAME/KEY: misc_feature
318 <222> LOCATION: (198)..(198)
319 <223> OTHER INFORMATION: n is a, c, g, or t

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/516,753

DATE: 01/30/2006
TIME: 10:52:41

Input Set : A:\PTO.AMC.txt
Output Set: N:\CRF4\01302006\J516753.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:3; N Pos. 6,12,15,21,27,36,39,42,48,51,54,63,66,69,75,78,87,90,93,96
Seq#:3; N Pos. 99,105,108,111,114,120,126,132,135,138,141,144,147,150,153
Seq#:3; N Pos. 156,159,162,165,168,171,177,192,195,198,201,204,207,213,216
Seq#:3; N Pos. 234,240,249,252,255,264,267,273,279,282,285,294,300,303,315
Seq#:3; N Pos. 330,333,336,345,351,354,357,360,366,372,375,378,381,384,387
Seq#:3; N Pos. 399,402,405,411,414,420,426,429,441,447
Seq#:17; Xaa Pos. 11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29
Seq#:17; Xaa Pos. 30,31,32,33,34,35,36,37,38,39,40,41,42

VERIFICATION SUMMARY

DATE: 01/30/2006

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TIME: 10:52:41

Input Set : A:\PTO.AMC.txt

Output Set: N:\CRF4\01302006\J516753.raw

L:547 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:0
L:549 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:60
L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:120
L:553 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:180
L:555 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:240
L:557 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:300
L:559 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:360
L:561 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3 after pos.:420
L:783 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:786 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:16
L:789 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:32